Waste front calculations in Attachment 18 used methods described in Warner and Lehr (1981; pp. 107-114). Pressure increases were calculated using superposition in an infinite-acting reservoir, assuming no fluid withdrawal. Assumed a 20-year service life for project and an average injection rate of 15,000 bbls per day per well.

F. Potential impact of injection upon wells within area of review (i.e., due to pressure build-up): Any other inj. wells w/ intersecting AORs - potential impact

None. There are no significant impacts within the area of review (see Theis calculation).

9. INJECTION WELL CONSTRUCTION

A. Schematic design:

See Attachment 12.

B. Deviation check and frequency:

None.

C. Casing program (including thickness, diameter, nominal weight, joint specifications, lengths, etc.):

See Attachment 12.

D. Cementing program (quantity, location, additives, grade, cement bond logging, etc.):

Injection casing to be cemented from top of injection zone to surface.

E. Tubing:

See Attachment 12.

F. Packer (and other down-hole tools):

See Attachment 12.

G. Drilling/construction plan or well history:

All proposed drilling and completion operations will be coordinated by the DOGGR.